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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/527,693	03/11/2005	Robert Hammond-Smith	MERCK-2986	7305
23599	7590 10/31/2006	•	EXAMINER	
MILLEN, W	HITE, ZELANO & BRA	DUDEK, JAMES A		
2200 CLARE SUITE 1400	NDON BLVD.		ART UNIT	PAPER NUMBER
	N, VA 22201	2871		
			DATE MAILED: 10/31/200	6

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/527,693	HAMMOND-SMITH ET AL.			
Office Action Summary	Examiner	Art Unit			
•	James A. Dudek	2871			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	I. lely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on 2a) This action is FINAL . 2b) This 3) Since this application is in condition for allowar	action is non-final.	secution as to the merits is			
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4)	vn from consideration. r election requirement. r. a)⊠ accepted or b)□ objected to drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).			
11)☐ The oath or declaration is objected to by the Ex					
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Application rity documents have been received u (PCT Rule 17.2(a)).	on No ed in this National Stage			
Attachment(s)	_				
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) 	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P	ite			
Paper No(s)/Mail Date <u>11/05</u> .	6) Other:	www.rsppmoustort			

Art Unit: 2871

DETAILED ACTION

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-15 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by GB 2357061 A [061].

Per claim 1, 061 teaches method of preparing a birefringent marking comprising polymerised liquid crystal material [see page 8, first full paragraph], by printing a polymerisable liquid crystal material onto at least one surface of a reflective substrate [the term printing is broad and the fact that 061 is for identification the end result is a print, and thus, printing take place in the form of coating and patterning] and polymerising the liquid crystal material [see page 17, line 11].

Per claim 2, 061 teaches method according to claim 1, wherein the liquid crystal material is a nematic or smectic liquid crystal material [see page nine, third full paragraph].

Per claims 3-4, 061 teaches method according to claim 1, wherein the substrate comprises at least one metallic or metallised layer [see page 19, first full paragraph, aluminum oxide is used].

Per claim 5-6, 061 teaches a method according to claim 1, wherein the substrate comprises at least one layer of reflective pigments [see page 11, fifth full paragraph].

Per claims 7-8, 061 teaches a method according to claim 1, wherein the liquid crystal material comprises at least one compound which induces and/or enhances planar alignment [see paragraph bridging pages 18-19].

Per claims 9-10, 061 teaches a method according to claim 1, wherein the polymerised liquid crystal layer has a splayed structure [see pages 10, fifth paragraph].

Per claims 11-15, 061 teaches the birefringent marking obtainable by a method according to claim 1 [see the figures].

Application/Control Number: 10/527,693 Page 3

Art Unit: 2871

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James A. Dudek whose telephone number is 571-272-2290. The examiner can normally be reached on 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR (ANADA) or 571-272-1000.

Ames A. Dudék Primary Examiner Art Unit 2871